
From: Stanley.Warner@ch2m.com
Sent: Friday, July 29, 2016 11:11 AM
To: Bottcher, Helen
Cc: Cassie.Katzen@CH2M.com
Subject: RE: Sheet Pile wall?
Attachments: 3847983019736.DOCUMENT.PDF.pdf; 3847983019548.DOCUMENT.PDF.pdf

Helen and Ken,

Just an update. There is no obvious water leaking from any seams, holes or sheet pile. I checked the ground water levels in that area during high and low tide and there appears to be no significant change in levels except for the normal tidal influence we usually see.

Attached is a drawing of what I did find. In reference to Joint #2 which is the most southern joint failure. There is a hole in the sheet pile at the bottom at the mud line which lines up perfectly with the joint separation at the top of the pile. I believe it is one Ken has a picture of. Joint #1 there appears to be quite a bit of metal missing from the joint at the bottom of the pile at the mud line but, no hole noted.

Stan

From: Bottcher, Helen [mailto:Bottcher.Helen@epa.gov]
Sent: Friday, July 29, 2016 9:32 AM
To: Warner, Stanley/WYK <Stanley.Warner@ch2m.com>; Scheffler, Ken/SEA <Ken.Scheffler@CH2M.com>
Subject: Sheet Pile wall? [EXTERNAL]

Normally I assume no news is good news. But this morning, I can't stop thinking about the joint separation on the SPW. Stan, did you make it out on the beach before the tide went out? Is it leaking?

Also, have the groundwater levels inside the wall changed? If they are rising when we are not having rain, that could indicate water leaking IN during high tide.

Thanks --

Helen Bottcher | U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue ms ECL-122 | Seattle, WA 98101 | 206.553.6069 | bottcher.helen@epa.gov